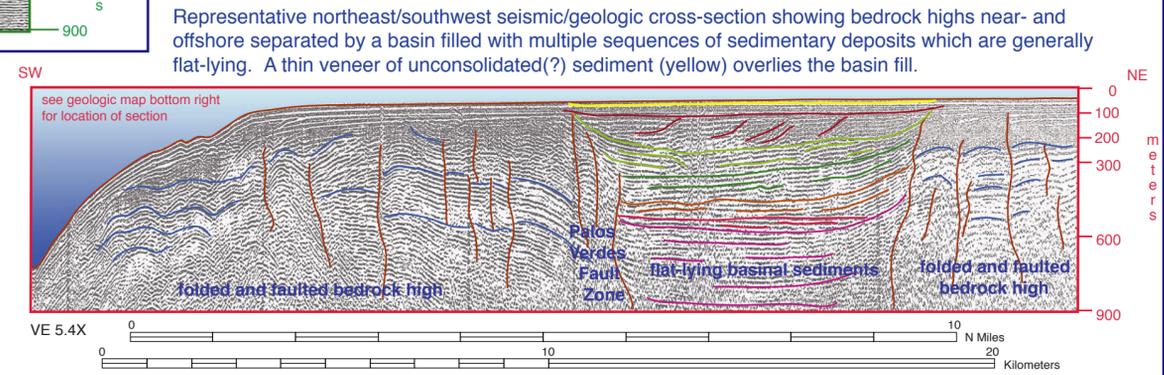
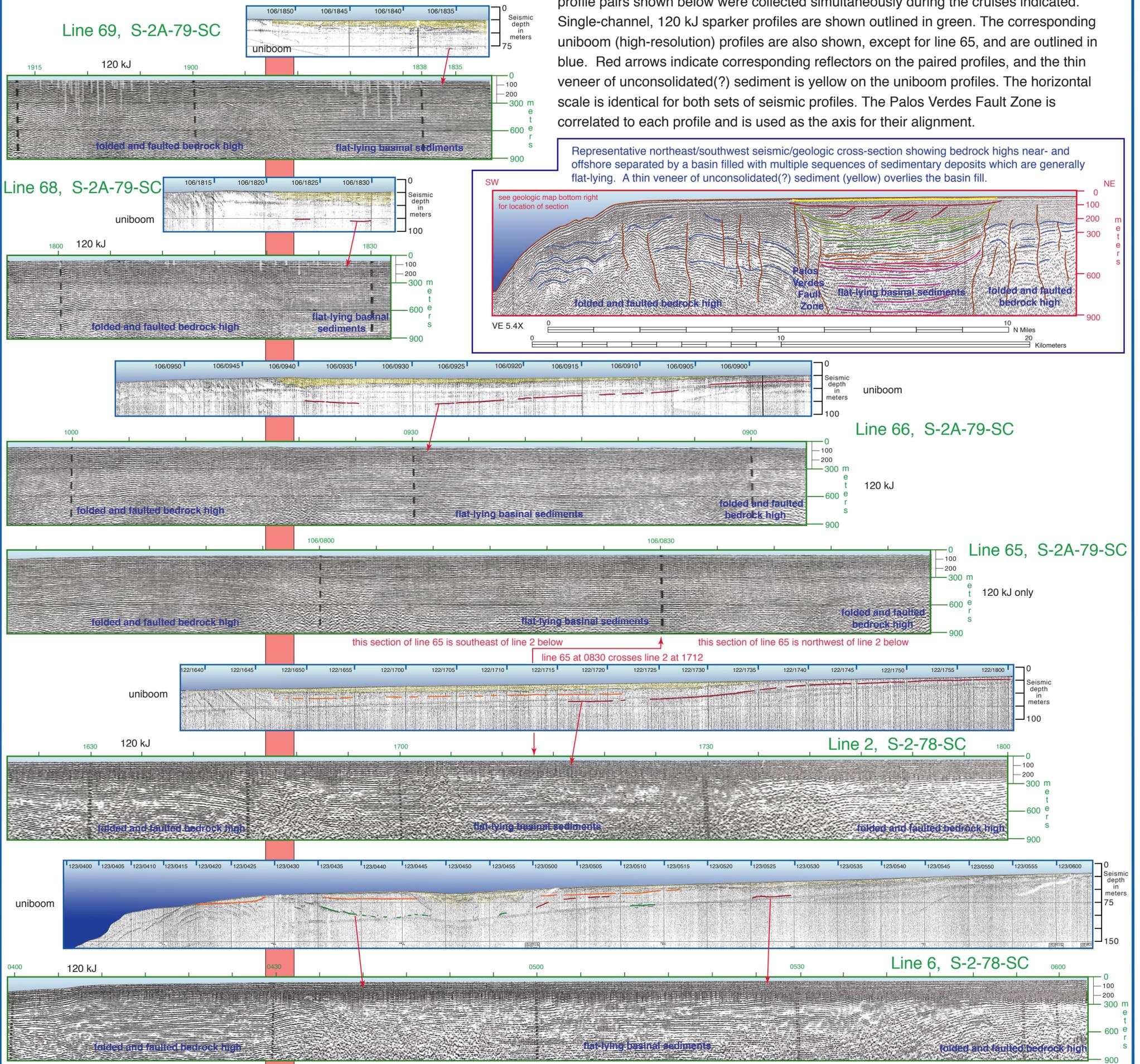


Geologic and Bathymetric Reconnaissance Overview of the San Pedro Shelf Region, Southern California

by Stephen C. Wolf and Christina E. Gutmacher

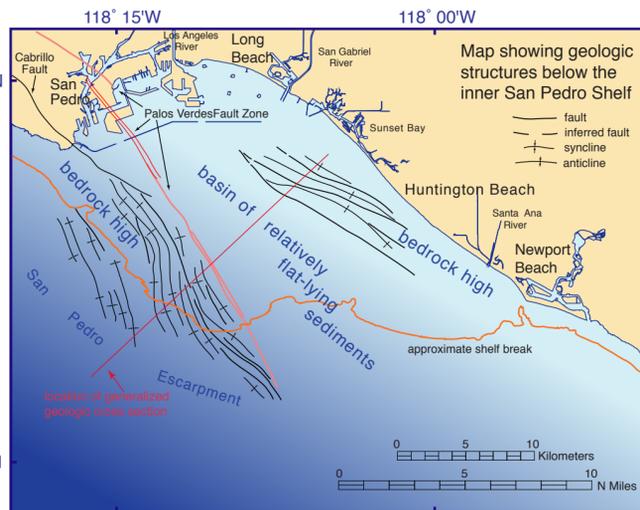
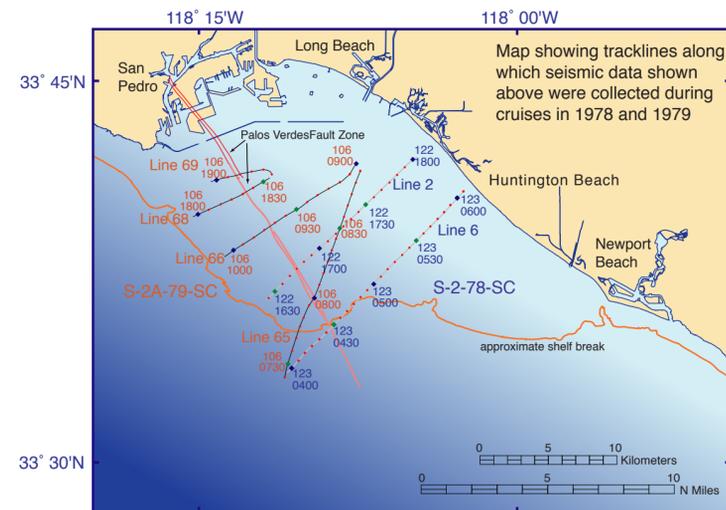
The geologic map and generalized cross-section shown here are derived from 120 kilo-Joule single-channel sparker and high-resolution uniboom seismic-reflection data. Seismic

profile pairs shown below were collected simultaneously during the cruises indicated. Single-channel, 120 kJ sparker profiles are shown outlined in green. The corresponding uniboom (high-resolution) profiles are also shown, except for line 65, and are outlined in blue. Red arrows indicate corresponding reflectors on the paired profiles, and the thin veneer of unconsolidated(?) sediment is yellow on the uniboom profiles. The horizontal scale is identical for both sets of seismic profiles. The Palos Verdes Fault Zone is correlated to each profile and is used as the axis for their alignment.



Palos Verdes Fault Zone

Positions of harbor area Palos Verdes Fault Zone, and offshore faults and axes of anticlines and synclines, are interpreted from seismic data; they are approximate and are primarily shown to illustrate the structural grain of the bedrock highs west/ southwest of the Palos Verdes Fault Zone and along the inner San Pedro Shelf.



References Sheet 5

(see Sheet 7 for complete reference list)

For Cabrillo Fault and onshore location of Palos Verdes Fault Zone:
Jennings, C.W., compiler, 1962, Geologic Atlas of California: Long Beach, California Division of Mines and Geology GAM-007, scale 1:250,000 (reprinted 1992)

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